



PCT

(74) Agents: SIROTA, Neil, P. et al.; Baker Botts L.L.P., 30 Rockefeller Plaza, New York, NY 10112-4498 (US).

(21) International Application Number:
PCT/US2004/010646

(25) Filing Language: English

(26) **Publication Language:** English

(30) Priority Data:
60/461,221 7 April 2003 (07.04.2003) US

(71) **Applicant** (for all designated States except US): **SYNE-MATICS, INC.** [US/US]; 185 Claremont Avenue, Suite 1C, New York, NY 10027 (US).

(72) Inventor; and

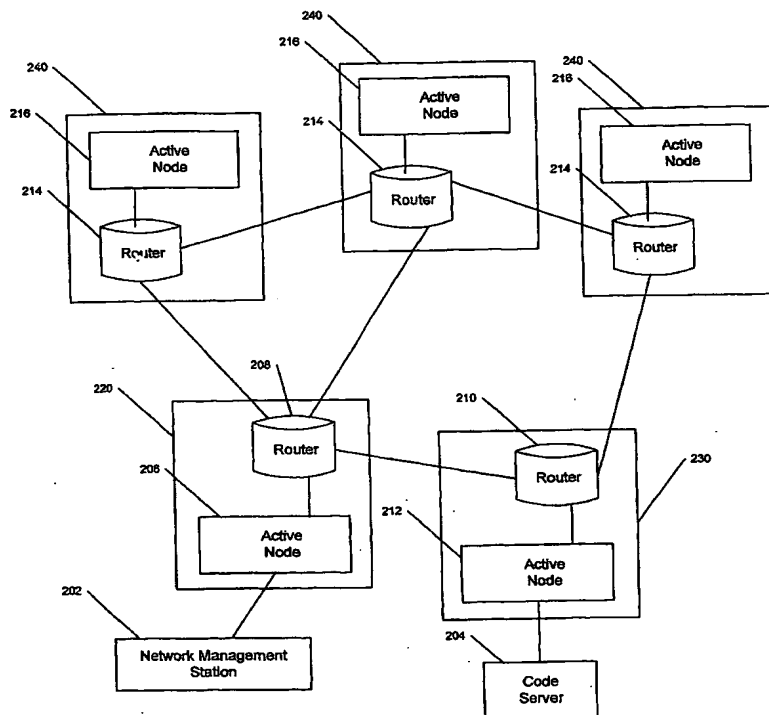
(75) **Inventor/Applicant (for US only):** LIM, Koom-Seng [SG/US]; 19 Lamplight Street, Beacon, NY 12508 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR PROVIDING SCALABLE MANAGEMENT ON COMMODITY ROUTERS



(57) Abstract: An apparatus, method and software arrangement for providing pattern-based decentralized network management. The apparatus is a network node (Fig. 2, #208) including a router (Fig. 2, #208) connected to at least one other network node (Fig. 2, #216) of a plurality of network nodes and a processor. The processor is configured to receive a network management program and mobile state information, determine whether to send the network management program to the at least one other network node of the plurality of network nodes, transmit the mobile state information to the at least one other network node of the plurality of network nodes, and selectively transmit the network management program based upon the determination to the at least one other network node of the plurality of network nodes.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*